STEEL END SECTIONS FOR ROUND PIPE CULVERT								
PIPE SIZE DIAMETER (Inches)	METAL THICK (MINIMUM) (In./ga.)	DIMENSIONS IN INCHES						
		A	Н	W	OVERALL WIDTH	L		
						Slope=4	Slope=6	
18	0.064/16	8	6	24	40	32	47	
24	0.064/16	8	6	30	46	55	83	
30	0.109/12	12	9	36	60	79	118	
36	0.109/12	12	9	42	66	102	154	
42	0.109/12	16	12	48	80	126	189	
48	0.109/12	16	12	54	86	150	224	
54	0.109/12	16	12	60	92	173	260	
60	0.109/12	16	12	66	98	197	295	

GENERAL NOTES FOR ALL DETAILS:

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- 1. FOR ROUND PIPES WITH DIAMETERS 24" OR LESS USE TYPE # 1 CONNECTOR.
 ALL ARCH PIPES EQUIVALENT ROUND DIAMETER AND ROUND PIPES OVER 24" DIAMETER USE TYPE # 2 CONNECTOR.

- TYPE # 2 CONNECTION.

 2. TOE PLATE EXTENSIONS ARE TO BE THE SAME MIN. THICKNESS AS END SECTION.
 DIMENSIONS SHALL BE OVERALL WIDTH LESS 6" BY 8" HIGH.

 3. CROSS DRAINAGE AND SAFETY BARS SHALL BE 3" DIA. SCHEDULE 40 ALUMINIZED STEEL PIPE.

 4. SLOTTED HOLES FOR SAFETY BAR ATTACHMENT SHALL BE PROVIDED FOR ALL END SECTIONS.

 5. OPEN ENDS OF PIPES NORMALLY REQUIRE A SITE SPECIFIC DESIGN. AND MAY REQUIRE SPECIAL
 TREAMENT (SLOPE ENDS. CULVERT EMBANKMENT PROTECTION, PAVED END SLOPES, SAFETY END SECTIONS. OR OTHER MEASURES).

SEE SPECIAL DETAILS OR STANDARD DRAWINGS AS CALLED FOR ON PLANS.

SPECIFICATION 305	CATEGORY CODE ITEMS		Maryland Department of Transportation				
APPROVED	DIRECTOR - OFFICE OF H	HIGHWAY DEVELOPMENT	STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES				
	APPROVAL • SHA	APPROVAL • FEDERAL	SAFETY END SECTION FOR CONCRETE,				

HIGHWAY ADMINISTRATION PLASTIC PIPE APPROVAL APPROVAL 9-29-14 REVISED REVISED

STANDARD NO.

MD-373.01